

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(00050D)	Hex(1B1E23)	Hex(303338)	Hex(464A4F)	Hex(5E6267)	Hex(777A80)	Hex(90949A)	Hex(ABAFB5)	Hex(C6CAD0)	Hex(E2E6ED)
Hex(00050D)		Ratio: 1.22 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 9.27 Passed ⁶	Ratio: 12.42 Passed ⁶	Ratio: 16.32 Passed ⁶
Hex(1B1E23)	Ratio: 1.22 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 13.35 Passed ⁶
Hex(303338)	Ratio: 1.61 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 10.13 Passed ⁶
Hex(464A4F)	Ratio: 2.29 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶
Hex(5E6267)	Ratio: 3.33 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴
Hex(777A80)	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(90949A)	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(ABAFB5)	Ratio: 9.27 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(C6CAD0)	Ratio: 12.42 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(E2E6ED)	Ratio: 16.32 Passed ⁶	Ratio: 13.35 Passed ⁶	Ratio: 10.13 Passed ⁶	Ratio: 7.13 Passed ⁶	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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